### Original (for SUBMISSION)

| 0     | For receiving Office use only  |  |  |
|-------|--|--|--|
| 0-1   | International Application No.  |  |  |
| 0-2   | International Filing Date  |  |  |
| 0-3   | Name of receiving Office and *PCT International Application*   |  |  |
| 0-4   | Form - PCT/RO/101 PCT Request  |  |  |
| 0-4-1 | Prepared Using   | PCT-SAFE [RASY mode]<br>Version 3.50 (Build 0002.153)                              |  |
| 0-5   | Petition   |  |  |
|       | The undersigned requests that the<br>present international application be<br>processed according to the Patent<br>Cooperation Treaty |  |  |
| 0-6   | Receiving Office (specified by the applicant)  | International Bureau of the World<br>Intellectual Property Organization<br>(RO/IB) |  |
| 0-7   | Applicant's or agent's file reference  | FIN 572 PCT  |  |
| ı     | Title of invention   | MATRIX-TYPE SEMICONDUCTOR PACKAGE WITH HEAT SPREADER                               |  |
| ii .  | Applicant  |  |  |
| B-1   | This person is:  | applicant only   |  |
| 11-2  | Applicant for  | all designated States except US  |  |
| 11-4  | Name:  | INFINEON TECHNOLOGIES AG   |  |
| II-5  | Address:   | StMartin-Str. 53<br>81669 München<br>Germany                                       |  |
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| 11-7  | State of residence   | DE   |  |
| 11-8  | Telephone No.  | +49/89/234-0   |  |
| 11-11 | Applicant's registration No. with the Office   | 0.0  |  |

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| III-1        | Applicant and/or Inventor  |   |  |
|--------------|--|---|--|
| III-1-1      | This person is:  | applicant and inventor  |  |
| III-1-2      | Applicant for  | US only   |  |
| III-1-4      | Name (LAST, First)   | NG, Shirley   |  |
| III-1-5      | Address:   | 65 Jalan Sukachita<br>358940 Singapur<br>Singapore                                  |  |
| III-1-6      | State of nationality   | SG  |  |
| III-1-7      | State of residence   | sg  |  |
| IV-1         | Agent or common representative; or address for correspondence  The person identified below is hereby/ has been appointed to act on behalf of   | agent   |  |
|              | the applicant(s) before the competent international Authorities as:  |   |  |
| IV-1-1       | Name (LAST, First)   | SCHÄFER, Rorst  |  |
| IV-1-2       | Address:   | c/o Kanzlei Schweiger & PartnerKarl-<br>Theodor-Str. 69<br>80803 München<br>Germany |  |
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| <b>Ⅳ-1-6</b> | Agent's registration No.   | 0.0   |  |
| ٧            | DESIGNATIONS   |   |  |
| V-1          | The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents. |   |  |
| VI-1         | Priority Claim   | NONE  |  |
| VII-1        | International Searching Authority Chosen   | European Patent Office (EPO) (ISA/EP)   |  |

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| VIII   | Declarations  | Number of declarations .              | 1                           |
|--------|---|---------------------------------------|-----------------------------|
| VIII-1 | Declaration as to the identity of the inventor  | -                                     |                             |
| VIII-2 | Declaration as to the applicant's<br>entitlement, as at the international filing<br>date, to apply for and be granted a<br>patent             | -                                     |                             |
| VIII-3 | Declaration as to the applicant's<br>entitlement, as at the international filing<br>date, to claim the priority of the earlier<br>application | -                                     |                             |
| VIII-4 | Declaration of inventorship (only for the<br>purposes of the designation of the<br>United States of America)                                  | -                                     |                             |
| VIII-5 | Declaration as to non-prejudicial<br>disclosures or exceptions to lack of<br>novelty  | -                                     |                             |
| IX     | Check list  | number of sheets                      | electronic file(s) attached |
| IX-1   | Request (including declaration sheets)  | 3                                     | -                           |
| IX-2   | Description   | 16                                    | -                           |
| IX-3   | Claims  | 3                                     | -                           |
| IX-4   | Abstract  | 1                                     | 1                           |
| IX-5   | Drawings  | 4                                     | -                           |
| IX-7   | TOTAL   | 27                                    |                             |
|        | Accompanying Items  | paper document(s) attached            | electronic file(s) attached |
| IX-8   | Fee calculation sheet   | /                                     | _                           |
| IX-11  | Copy of general power of attorney   |                                       | -                           |
| IX-17  | PCT-SAFE physical media   | -                                     | 1                           |
| DX-19  | Figure of the drawings which should accompany the abstract  | 1                                     | h                           |
| IX-20  | Language of filing of the International application   | English                               |                             |
| X-1    | Signature of applicant, agent or common representative  | Celas                                 |                             |
| X-1-1  | Name:   | SCHÄFER Horst                         |                             |
| X-1-2  | Name of signatory   | / \                                   |                             |
| X-1-3  | Capacity  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |                             |

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| 10-1   | Date of actual receipt of the purported international application   |        |
|--------|---|--------|
| 10-2   | Drawings:   |        |
| 10-2-1 | Received  |        |
| 10-2-2 | Not received  |        |
| 10-3   | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application |        |
| 10-4   | Date of timely receipt of the required corrections under PCT Article 11(2)  |        |
| 10-5   | International Searching Authority   | ISA/EP |
| 10-6   | Transmittal of search copy delayed until search fee is paid   |        |

### FOR INTERNATIONAL BUREAU USE ONLY

| 11-1 | Date of receipt of the record copy by |  |
|------|---------------------------------------|--|
|      | the International Bureau              |  |
|      |                                       |  |